

Listing of Claims:

1. (currently amended): A method for load balancing in a JAVA based environment, the method comprising:

 executing a JAVA application having a first service module and a control module, wherein the control module includes application-specific policies for the application;

 sensing a utilization of system resources;

 generating a second service module, based on the application-specific policies, using the first service module in response to the sensed utilization of system resources;

 transferring a state of the first service module to the second service module; and

 terminating the first service module.
2. (original): A method as recited in claim 1, wherein the operation of sensing the utilization of system resources includes polling system resources.
3. (original): A method as recited in claim 1, wherein the operation of sensing the utilization of system resources includes receiving notifications from system resources.
4. (original): A method as recited in claim 1, wherein the application-specific policies include a specific server on which to generate the second service module.

5. (original) A method as recited in claim 4, wherein the second service module is generated using the specific server.

6. (original) A method as recited in claim 5, wherein the specific server is selected based on the application-specific policies of the control module.

7. (original): An application having application-specific strategies for use in a JAVA environment, comprising:

a plurality of service modules having functionality for the application; and

control module in communication with the plurality of service modules, wherein the control module includes application-specific policies for the application, the application-specific policies are programmed using a JAVA programming language.

8. (original): An application as recited in claim 7, wherein the control module manages the service modules.

9. (cancelled):

10. (currently amended): An application as recited in claim 7 ~~9~~, wherein the application-specific policies include application-specific load balancing policies.

11. (original): An application as recited in claim 10, wherein a first server module of the plurality of service modules is capable of moving to a second server based on the load balancing policies.

12. (original): An application as recited in claim 11, wherein the control module initiates a generation of a second service module on the second server.

13. (original): An application as recited in claim 12, wherein a state of the first service module is transferred to the second service module.

14. (original): An application as recited in claim 13, wherein the first service module is terminated after the state of the first service module is transferred to the second service module.

15. (original): A method for moving an application within a JAVA environment, comprising the operations of:

executing a first service module and a control module on a first server, the control module having application-specific policies for an application, the application-specific policies are programmed using a JAVA programming language;

sending a message from the control module to an executive runtime module, the message requesting the executive runtime module to move the first service module to a second server;

generating a second service module on the second server, the second service module having a state equivalent to a state of the first service module; and

terminating the first service module.

16. (original): A method as recited in claim 15, further comprising the operation of obtaining the state of the second service module by a direct transfer from the first service module.

17. (original): A method as recited in claim 15, further comprising the operation of obtaining the state of the second service module by using a state server that is shared with the first service module.

18. (original): A method as recited in claim 16, wherein the message from the control module to the executive runtime module includes an identity of the second server.

19. (original): A method as recited in claim 15, further comprising the operation of disabling requests to the first service module.

20. (original): A method as recited in claim 19, further comprising the operation of enabling requests to the second service module.